

Logic

74F Fast TTL Logic Devices

| Mfr.'s Type |          | Description                                                | No. of Leads |
|-------------|----------|------------------------------------------------------------|--------------|
| PDIP        | SOIC     |                                                            |              |
| 74F00N      | —        | Quad 2-Input NAND Gate                                     | 14           |
| 74F02N      | —        | Quad 2-Input NOR Gate                                      | 14           |
| 74F04N      | —        | Hex Inverter                                               | 14           |
| 74F08N      | —        | Quad 2-Input AND Gate                                      | 14           |
| 74F14N      | —        | Hex Inverter Schmitt-trigger                               | 14           |
| 74F32N      | 74F32D   | Quad 2-Input OR Gate                                       | 14           |
| 74F37N      | —        | Quad 2-Input NAND Buffer 14 A                              | 14           |
| —           | 74F138D  | Quad 2-Input NAND Buffer, OC                               | 20           |
| 74F132N     | —        | Quad 2-Input NAND Buffer Schmitt-trigger                   | 14           |
| 74F139N     | —        | Dual 2 to 4 Decoder, INV                                   | 16           |
| 74F148N     | —        | 8 to 3 Line Priority Encoder                               | 16           |
| 74F157AN    | —        | Quad 2 to 1 Multiplexer                                    | 16           |
| —           | 74F158AD | Quad 2 to 1 Multiplexer, Inv.                              | 16           |
| 74F161AN    | —        | Synchronous 4-Bit Binary Counter, Asynchronous reset       | 16           |
| 74F164N     | —        | 8-Bit SI-PO Shift Register                                 | 14           |
| 74F241N     | —        | Octal Buffer, 3-state                                      | 20           |
| 74F244N     | —        | Octal Buffer, 3-state                                      | 20           |
| 74F269N     | —        | Synchronous Presettable 8-Bit Bidirectional Binary Counter | 24           |
| 74F367N     | —        | Hex Buffer, 4-Bit & 2-Bit, 3-state                         | 16           |
| 74F374N     | —        | Octal D-Type Flip-Flop, 3-state                            | 20           |
| 74F543N     | —        | Octal Registered Transceiver, 3-state (*245+*373)          | 24           |
| 74F579N     | —        | 8-Bit Bidirectional Binary Counter, Common I/O, 3-state    | 20           |
| —           | 74F623D  | Octal Transceiver, 3-state                                 | 20           |

74HCT High Speed TTL Compatible CMOS and 74HC CMOS Logic Devices

| Mfr.'s Type |           |            |            | Description                                              | No. of Leads |
|-------------|-----------|------------|------------|----------------------------------------------------------|--------------|
| 74HCT Logic |           | 74HC Logic |            |                                                          |              |
| PDIP        | SOIC      | PDIP       | SOIC       |                                                          |              |
| 74HCT00N    | 74HCT00D  | 74HC00N    | 74HC00D    | Quad 2-Input NAND Gate                                   | 14           |
| 74HCT02N    | —         | 74HC02N    | —          | Quad 2-Input NOR Gate                                    | 14           |
| 74HCT04N    | 74HCT04D  | 74HC04N    | 74HC04D    | Hex Inverter                                             | 14           |
| 74HCT08N    | 74HCT08D  | 74HC08N    | 74HC08D    | Quad 2-Input AND Gate                                    | 14           |
| 74HCT10N    | —         | —          | —          | Triple 3-Input NAND Gate                                 | 14           |
| 74HCT123N   | 74HCT123D | 74HC123N   | 74HC123D   | Dual Retriggerable Monostable Multivibrator              | 16           |
| 74HCT125N   | 74HCT125D | —          | —          | Quad 3-State Bus Buffer                                  | 14           |
| 74HCT132N   | —         | 74HC132N   | 74HC132D   | Quad 2-Input NAND Schmitt Trigger                        | 14           |
| 74HCT138N   | 74HCT138D | 74HC138N   | 74HC138D   | 1-of-8 Decoder/Demultiplexer                             | 16           |
| 74HCT139N   | —         | —          | 74HC139D   | Dual 1-of-4 Decoder/Demultiplexer                        | 16           |
| 74HCT14N    | 74HCT14D  | 74HC14N    | 74HC14D    | Hex Schmitt Trigger                                      | 14           |
| 74HCT151N   | —         | —          | —          | 8-Input Multiplexer                                      | 16           |
| 74HC154N    | —         | —          | —          | 1-of-6 Decoder/Demultiplexer                             | 24           |
| 74HCT157N   | 74HCT157D | —          | 74HC157D   | Quad 2-Input Multiplexer                                 | 16           |
| 74HCT161N   | —         | —          | —          | 4-Bit Binary Counter                                     | 16           |
| 74HCT164N   | 74HCT164D | —          | —          | 8-Bit Serial In/Parallel Out Shift Register              | 14           |
| 74HCT165N   | —         | —          | —          | Parallel Load 8-Bit Shift Register                       | 16           |
| 74HCT174N   | —         | —          | —          | Hex D Type Flip-Flop with Clear                          | 16           |
| 74HCT175N   | —         | —          | —          | Quad D Type Flip-Flop, Edge Triggered                    | 16           |
| —           | —         | 74HC191N   | —          | Synchronous Binary Up/Down Counter                       | 16           |
| 74HCT20N    | —         | —          | —          | Dual 4-Input NAND Gate                                   | 14           |
| 74HCT238N   | —         | 74HC238N   | —          | 1-to-8 Decoder/Demultiplexer                             | 16           |
| 74HCT240N   | —         | —          | —          | Octal 3-State Buffer, Inverting                          | 20           |
| 74HCT244N   | 74HCT244D | 74HC244N   | 74HC244D   | Octal 3-State Driver                                     | 20           |
| 74HCT245N   | 74HCT245D | 74HC245N   | 74HC245D   | Octal Transceiver, 3-State                               | 20           |
| 74HCT259N   | 74HCT259D | 74HC259N   | —          | 8-Bit Addressable Latch                                  | 16           |
| 74HCT27N    | —         | —          | —          | Triple 3-Input NOR Gate                                  | 14           |
| 74HCT273N   | —         | 74HC273N   | —          | Quad D-Type Flip-Flop                                    | 20           |
| 74HCT32N    | —         | 74HC32N    | 74HC32D    | Quad 2-Input OR Gate                                     | 14           |
| 74HCT365N   | —         | —          | —          | Hex Buffer with Common Enable, 3-State                   | 16           |
| 74HCT367N   | —         | —          | —          | Hex Buffer, 4-Bit and 2-Bit, 3-State                     | 16           |
| —           | —         | 74HC373N   | 74HC373D   | Octal 3-State Latch                                      | 20           |
| 74HCT374N   | —         | 74HC374N   | —          | Octal D Flip-Flop, 3-State                               | 20           |
| —           | —         | 74HC377N   | 74HC377D   | Octal D Flip-Flop with Enable                            | 20           |
| 74HCT393N   | 74HCT393D | —          | 74HC393D   | Dual Binary Ripple Counter                               | 14           |
| —           | —         | 74HC40103N | —          | 8-Bit Binary Down Counter                                | 16           |
| 74HCT4040N  | —         | 74HC4040N  | —          | 12-Stage Binary Counter                                  | 16           |
| 74HCT4046AN | —         | —          | —          | Phase Locked Loop with VCO                               | 16           |
| 74HCT4051N  | —         | 74HC4051N  | —          | 8-Channel Multiplexer/Demultiplexer                      | 16           |
| —           | —         | 74HC4052N  | —          | Dual 4-Channel Analog Multiplexer/Demultiplexer          | 16           |
| —           | —         | 74HC4053N  | —          | Triple 2-Channel Multiplexer/Demultiplexer               | 16           |
| —           | —         | —          | 74HC4066D  | Quad Bilateral Switch                                    | 14           |
| 74HCT4538N  | —         | 74HC423N   | —          | Dual Retriggerable Monostable Multivibrator              | 16           |
| 74HCT540N   | —         | 74HC4538N  | 74HC4538D  | Dual Monostable Multivibrator                            | 16           |
| 74HCT541N   | —         | —          | —          | Octal Inverting Buffer, 3-State                          | 20           |
| 74HCT573N   | —         | 74HC541N   | 74HC541D   | Octal Buffer, 3-State                                    | 20           |
| 74HCT574N   | —         | 74HC573N   | 74HC573D   | Octal 3-State Transparent Latch                          | 20           |
| —           | —         | 74HC574N   | —          | Octal D-Type Flip-Flop, Positive Edge Triggered, 3-State | 20           |
| —           | —         | 74HC597N   | —          | 8-Bit Shift Register with Input Latch                    | 16           |
| 74HCT640N   | —         | —          | —          | Octal 3-State Transceiver, Inverting                     | 20           |
| 74HCT688N   | 74HCT688D | —          | —          | 8-Bit Magnitude Comparator                               | 20           |
| —           | —         | —          | 74HC7046AD | Phase Locked Loop with Lock                              | 16           |
| 74HCT74N    | 74HCT74D  | 74HC74N    | 74HC74D    | Dual D-Type Edge Triggered Flip-Flop                     | 14           |
| 74HCT86N    | —         | 74HC86N    | 74HC86D    | Quad 2-Input Exclusive OR Gate                           | 14           |